



Sequences producing significant alignments:			Score (bits)	E Value	
gi 23943855 ref NM_014441.1 	Homo sapiens sialic acid bindi...		3138	0.0	LU
gi 37182943 gb AY358913.1 	Homo sapiens clone DNA65403 SIGL...		3138	0.0	LU
gi 8037714 gb AF227924.1 AF227924	Homo sapiens sialic acid-...		3138	0.0	LUG
gi 23271366 gb BC035365.1 	Homosapiens sialic acid binding...		3122	0.0	LUG
gi 13646877 dbj AB026265.1 	Homo sapiens mRNA for FOAP-9, c...		3122	0.0	LU
gi 9392623 gb AF247180.1 AF247180	Homo sapiens sialic acid-...		2942	0.0	LUG
gi 20380099 gb BC028150.1 	Homo sapiens sialic acid binding...		900	0.0	LUG
gi 6466011 gb AF170485.1 AF170485	Homo sapiens sialic acid ...		900	0.0	LUG
gi 5295849 emb AJ007395.1 HSA7395	Homo sapiens mRNA for QA7...		900	0.0	LUG
gi 7657569 ref NM_014385.1 	Homo sapiens sialic acid bindin...		900	0.0	LUG
gi 5541869 emb AJ130710.1 HSA130710	Homo sapiens mRNA for Q...		892	0.0	LU
gi 21240688 gb AC063977.6 	Homo sapiens chromosome 19 clone...		803	0.0	
gi 10799392 gb AC011473.4 AC011473	Homo sapiens chromosome ...		803	0.0	LG
gi 4589280 gb AF135027.1 AF135027	Homo sapiens sialic acid-...		801	0.0	LG
gi 46360370 gb AY532663.1 	Homo sapiens sialic acid-binding...		797	0.0	
gi 46360366 gb AY532661.1 	Pan paniscus sialic acid-binding...		741	0.0	
gi 46360368 gb AY532662.1 	Pan troglodytes sialic acid-bind...		733	0.0	
gi 46360364 gb AY532660.1 	Gorilla gorilla sialic acid-bind...		702	0.0	

gi 24497436 ref NM_053003.2 	Homo sapiens SIGLEC-like 1 (SI...	444	e-121	LUG
gi 16506825 ref NM_033329.1 	Homo sapiens SIGLEC-like 1 (SI...	444	e-121	LU
gi 37181385 gb AY358140.1 	Homo sapiens clone DNA180774 SIG...	444	e-121	LU
gi 23272768 gb BC035809.1 	Homo sapiens SIGLEC-like 1, tran...	444	e-121	LUG
gi 21755274 dbj AK095919.1 	Homo sapiens cDNA FLJ38600 fis,...	444	e-121	LU
gi 14625821 gb AF282256.1 AF282256	Homo sapiens Siglec-L1 m...	444	e-121	LU
gi 15824309 gb AF293372.1 AF293372	Pan troglodytes sialic a...	420	e-114	
gi 20258599 gb AY040543.1 	Homo sapiens sialic acid binding...	408	e-110	
gi 31418448 gb BC053319.1 	Homo sapiens cDNA clone MGC:5978...	383	e-103	U
gi 7657571 ref NM_014442.1 	Homo sapiens sialic acid bindin...	375	e-100	LUG
gi 6980021 gb AF223403.1 	Homo sapiens siglec SAF2 (SAF2) m...	375	e-100	LUG
gi 6746555 gb AF195092.1 AF195092	Homo sapiens sialic acid-...	375	e-100	LU
gi 14164614 gb AF310234.1 AF310234	Homo sapiens sialic acid...	349	1e-92	LUG
gi 5541875 emb AJ130713.1 HSA130713	Homo sapiens mRNA for Q...	309	1e-80	LUG
gi 5541873 emb AJ130712.1 HSA130712	Homo sapiens mRNA for Q...	309	1e-80	LUG
gi 5541871 emb AJ130711.1 HSA130711	Homo sapiens mRNA for Q...	309	1e-80	LU
gi 6289054 gb AF193441.1 AF193441	Homo sapiens Siglec-7 mRN...	309	1e-80	LUG
gi 7271468 gb AF178981.1 AF178981	Homo sapiens D-siglec pre...	309	1e-80	LUG
gi 7706570 ref NM_016543.1 	Homo sapiens sialic acid bindin...	309	1e-80	LUG
gi 15825513 gb AY029754.1 AY029754S1	Gorilla gorilla sialic...	270	9e-69	
gi 21747451 gb AC020914.9 	Homo sapiens chromosome 19 clone...	254	5e-64	
gi 15825509 gb AY029752.1 AY029752S1	Pan paniscus sialic ac...	254	5e-64	
gi 13991165 gb AF277806.1 AF277806	Homo sapiens sialic acid...	254	5e-64	L
gi 15825517 gb AY029756.1 AY029756S1	Pongo pygmaeus sialic ...	236	1e-58	
gi 21743744 gb AC008750.9 	Homo sapiens chromosome 19 clone...	228	3e-56	G
gi 9837432 gb AF287892.1 AF287892	Homo sapiens sialic acid ...	228	3e-56	LG
gi 22902138 ref NR_000036.1 	Homo sapiens sialic acid bindi...	188	3e-44	L
gi 20258601 gb AY040544.1 	Homo sapiens SIGLECP1 pseudogene...	188	3e-44	L
gi 20381381 gb BC028152.1 	Homo sapiens CD33 antigen (gp67)...	145	4e-31	LUG
gi 50472882 emb CR592075.1 	full-length cDNA clone CS0DI076...	145	4e-31	
gi 4502654 ref NM_001772.1 	Homo sapiens CD33 antigen (gp67...	137	9e-29	LUG
gi 180097 gb M23197.1 HUMCD33DA	Human differentiation antig...	137	9e-29	LUG
gi 23273974 gb BC035359.1 	Homo sapiens sialic acid binding...	121	5e-24	LUG
gi 50495040 emb CR614233.1 	full-length cDNA clone CS0DE011...	121	5e-24	
gi 50480832 emb CR600025.1 	full-length cDNA clone CS0DE012...	121	5e-24	
gi 38504660 ref NM_198846.1 	Homo sapiens sialic acid bindi...	121	5e-24	LU
gi 38504664 ref NM_198845.1 	Homo sapiens sialic acid bindi...	121	5e-24	LU
gi 38504662 ref NM_001245.2 	Homo sapiens sialic acid bindi...	121	5e-24	LU
gi 2913996 dbj D86359.1 	Homo sapiens mRNA for CD33L2, comp...	121	5e-24	LUG
gi 2913994 dbj D86358.1 	Homo sapiens mRNA for CD33L1, comp...	121	5e-24	LUG
gi 20258597 gb AY040542.1 	Homo sapiens sialic acid binding...	119	2e-23	
gi 37725356 gb AY162464.1 	Homo sapiens sialic acid binding...	100	2e-17	LU
gi 20258595 gb AY040541.1 	Homo sapiens CD33 antigen (CD33)...	100	2e-17	L
gi 32187776 emb AJ491319.1 HSA491319	Homo sapiens CD33 gene...	100	2e-17	
gi 9454515 gb AC018755.3 AC018755	Homo sapiens chromosome 1...	98	7e-17	LG
gi 27731306 ref XM_218639.1 	Rattus norvegicus similar to s...	90	2e-14	LU
gi 37181862 gb AY358369.1 	Homo sapiens clone DNA41374 SIGL...	90	2e-14	U
gi 20988661 gb BC029896.1 	Homo sapiens sialic acid binding...	90	2e-14	LUG

gi 20258603 gb AY040820.1 	Homo sapiens sialic acid binding...	90	2e-14	
gi 2411474 gb U71383.1 HSU71383	Human OB binding protein-2 ...	90	2e-14	LU
gi 2411472 gb U71382.1 HSU71382	Human OB binding protein-1 ...	90	2e-14	LU
gi 4502658 ref NM_003830.1 	Homo sapiens sialic acid bindin...	90	2e-14	LU
gi 30985125 gb AC123550.5 	Mus musculus BAC clone RP24-289C...	84	1e-12	
gi 15825510 gb AY029753.1 AY029752S2	Pan paniscus sialic ac...	84	1e-12	
gi 551352 gb S71345.1 S71345	m33-B isoform=CD33 antigen hom...	84	1e-12	LU
gi 26091438 dbj AK046303.1 	Mus musculus adult male corpora...	84	1e-12	LU
gi 551354 gb S71403.1 S71403	m33-A isoform=CD33 antigen hom...	84	1e-12	LU
gi 10946589 ref NM_021293.1 	Mus musculus CD33 antigen (Cd3...	84	1e-12	LU
gi 5759105 gb AF170484.1 AF170484	Homo sapiens sialic acid ...	82	4e-12	LU
gi 15825514 gb AY029755.1 AY029754S2	Gorilla gorilla sialic...	80	2e-11	
gi 23243292 gb BC035688.1 	Homo sapiens hypothetical protei...	78	7e-11	LU
gi 29835278 gb BC050999.1 	Homo sapiens hypothetical protei...	78	7e-11	LU
gi 20258602 gb AY040545.1 	Homo sapiens SIGLECP2 pseudogene...	78	7e-11	L
gi 26996836 gb BC041072.1 	Homo sapiens, Similar to CD33 an...	78	7e-11	LU
gi 6841095 gb AF161341.1 AF161341	Homo sapiens HSPC078 mRNA...	78	7e-11	LU
gi 41208783 ref XM_290822.3 	Homo sapiens hypothetical prot...	78	7e-11	LU
gi 28864162 gb AY210401.1 	Mus musculus Siglec-F variant mR...	70	2e-08	LU
gi 15963499 gb AF293371.1 AF293371	Mus musculus sialic acid...	70	2e-08	LU
gi 26105136 dbj AK089205.1 	Mus musculus NOD-derived CD11c ...	70	2e-08	
gi 26352649 dbj AK087658.1 	Mus musculus 2 days pregnant ad...	70	2e-08	LU
gi 21704167 ref NM_145581.1 	Mus musculus sialic acid bindi...	70	2e-08	LU
gi 34604767 gb AY348552.1 	Mus musculus sialic acid binding...	68	7e-08	LU
gi 34452026 gb AY371487.1 	Mus musculus sialic acid binding...	68	7e-08	LU
gi 23272071 gb BC023280.1 	Mus musculus SIGLEC-like 1, mRNA...	68	7e-08	LU
gi 15825518 gb AY029757.1 AY029756S2	Pongo pygmaeus sialic ...	68	7e-08	
gi 13936733 gb AF329269.1 AF329269	Mus musculus myeloid inh...	68	7e-08	LU
gi 41393467 gb AC144633.3 	Mus musculus BAC clone RP23-26J4...	68	7e-08	
gi 26338981 dbj AK047813.1 	Mus musculus adult male corpus ...	68	7e-08	LU
gi 26337566 dbj AK045719.1 	Mus musculus adult male corpora...	68	7e-08	LU
gi 26328208 dbj AK032377.1 	Mus musculus adult male olfacto...	68	7e-08	LU
gi 31341229 ref NM_178706.2 	Mus musculus RIKEN cDNA 643052...	68	7e-08	LU
gi 13626035 ref NM_031181.1 	Mus musculus SIGLEC-like 1 (Si...	68	7e-08	LU

Alignments

Get selected sequences

Select all

Deselect all

☐ >[gi|23943855|ref|NM_014441.1|](#) **LU** Homo sapiens sialic acid binding Ig-like lecti
Length = 1709

Score = 3138 bits (1583), Expect = 0.0

Identities = 1597/1604 (99%)

Strand = Plus / Plus

Query: 62 ccctgctctgggggagggagagggcggaaggacagacaagtaaactgctgacgatgcaga 121

Sbjct: 87 |||
ccctgctctgggggagggagagggcggaaggacagacaagttaaactgctgacgatgcaga 146

Query: 122 gttccgtgacggtgcaggaaggcctgtgtgtccatgtgccctgctccttctcctaccct 181
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Sbjct: 147 gttccgtgacggtgcaggaaggcctgtgtgtccatgtgccctgctccttctcctaccct 206

Query: 182 cgcatggctggattttaccctggcccagtagttcatggctactgggttccgggaaggggcca 241
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Sbjct: 207 cgcatggctggattttaccctggcccagtagttcatggctactgggttccgggaaggggcca 266

Query: 242 atacagaccaggatgctccagtggccacaaacaaccagctcgggcagtgtgggaggaga 301
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Sbjct: 267 atacagaccaggatgctccagtggccacaaacaaccagctcgggcagtgtgggaggaga 326

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Sbjct: 327 ctccgggaccgattccacctccttggggacccacataccaagaattgcaccctgagcatca 386

Query: 362 gagatgccagaagaagtgatgcggggagatacttctttcgtatggagaaaggaagtataa 421
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Sbjct: 387 gagatgccagaagaagtgatgcggggagatacttctttcgtatggagaaaggaagtataa 446

Query: 422 aatggaattataaacatcacgggctctctgtgaatgtgacagccttgacccacaggccca 481
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Sbjct: 447 aatggaattataaacatcacgggctctctgtgaatgtgacagccttgacccacaggccca 506

Query: 482 acatcctcatcccaggcacccctggagtcgggctgccccagaatctgacctgctctgtgc 541
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Sbjct: 507 acatcctcatcccaggcacccctggagtcgggctgccccagaatctgacctgctctgtgc 566

Query: 542 cctgggcctgtgagcaggggacaccccctatgatctcctggatagggacctccgtgtccc 601
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Sbjct: 567 cctgggcctgtgagcaggggacaccccctatgatctcctggatagggacctccgtgtccc 626

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Sbjct: 627 ccctggacccctccaccaccgctcctcggtgctcaccctcatcccacagccccaggacc 686

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Sbjct: 807 |||
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Sbjct: 867 ctctgcgctggtctgtgcagttgatgcagttgacagcaatccccctgccaggtgagcc 926

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Sbjct: 987 tgccttgggtgcacctgagggatgcagctgaattcacctgcagagctcagaaccctctcg 1046

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Sbjct: 1107 agggggtggtcgggggagctggagccacagccctggtcttctgtccttctgcgtcatct 1166

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Sbjct: 1167 tcgttgtagtgaggtcctgcaggaagaaatcggaaggccagcagcgggcgtgggagata 1226

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Sbjct: 1227 cgggcatagaggatgcaaacgctgtcaggggttcagcctctcagggggcccctgactgaac 1286

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Sbjct: 1347 ggggaaggagagctccagtatgcatccctcagcttcagatggtgaagccttgggactcgc 1406

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Query: 1442 cagagactcaccctgattgagggatcacagcccctccaggcaagggagaagtacagaggct 1501
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Sbjct: 1527 gattcttgtagaattaacagccctcaacgtgatgagctatgataaacactatgaattatgt 1586

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Sbjct: 1587 gcagagtgaaaagcacacaggcttttagagtcaaagtatctcaaacctgaatccacactgt 1646

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Score = 85.7 bits (43), Expect = 3e-13
Identities = 43/43 (100%)
Strand = Plus / Plus

Query: 1 aacagacgttcctctcgcgccctggcacctctaaccocagaca 43
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Sbjct: 26 aacagacgttcctctcgcgccctggcacctctaaccocagaca 68

☐ >gi|37182943|gb|AY358913.1| **LU** Homo sapiens clone DNA65403 SIGLEC9 (UNQ668) mRNA
Length = 1665

Score = 3138 bits (1583), Expect = 0.0
Identities = 1597/1604 (99%)
Strand = Plus / Plus

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Sbjct: 62 ccctgctctgggggagggagagggcggaaggacagacaagtaaactgctgacgatgcaga 121

Query: 122 gttccgtgacgggtgcaggaaggcctgtgtgtccatgtgccctgctccttctcctaccct 181
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Sbjct: 122 gttccgtgacgggtgcaggaaggcctgtgtgtccatgtgccctgctccttctcctaccct 181

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Query: 362 gagatgccagaagaagtgatgcggggagatacttctttcgtatggagaaaggaagtataa 421

Sbjct: 362 |||||
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Sbjct: 842 ctctgcgcctggtctgtgcagttgatgcagttgacagcaatccccctgccaggctgagcc 901

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Query: 962 tgccttgggtgcacctgagggatgcagctgaattcacctgcagagctcagaaccctctcg 1021
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Sbjct: 1082 aggggggtggtcgggggagctggagccacagccctggtcttcctgtccttctgcgtcatct 1141

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Query: 1442 cagagactcaccttgattgagggatcacagcccctccaggcaagggagaagtgcagggt 1501
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Sbjct: 1442 cagagactcaccttgattgagggatcacagcccctccaggcaagggagaagtgcagggt 1501

Query: 1502 gattctttagaattaacagccctcaacgtgatgagctatgataacactatgaattatgt 1561
|||||
Sbjct: 1502 gattctttagaattaacagccctcaacgtgatgagctatgataacactatgaattatgt 1561

Query: 1562 gcagagtgaaaagcacacaggcttttagagtcaaagtatctcaaacctgaatccacactgt 1621
|||||
Sbjct: 1562 gcagagtgaaaagcacacaggcttttagagtcaaagtatctcaaacctgaatccacactgt 1621

Query: 1622 gccctcccttttannnnnnnaactaaaagacagacaaattccta 1665
|||||
Sbjct: 1622 gccctcccttttatttttttaactaaaagacagacaaattccta 1665
```

Score = 85.7 bits (43), Expect = 3e-13
Identities = 43/43 (100%)
Strand = Plus / Plus

```
Query: 1 aacagacgttcctcgcgggccctggcacctctaaccacagaca 43
|||||
Sbjct: 1 aacagacgttcctcgcgggccctggcacctctaaccacagaca 43
```


 >gi|8037714|gb|AF227924.1|AF227924 **LUG** Homo sapiens sialic acid-binding lectin
Length = 1709

Score = 3138 bits (1583), Expect = 0.0

Identities = 1597/1604 (99%)

Strand = Plus / Plus

Query: 62 ccctgctctgggggagggagagggcggaaggacagacaagtaaactgctgacgatgcaga 121
|||||
Sbjct: 87 ccctgctctgggggagggagagggcggaaggacagacaagtaaactgctgacgatgcaga 146

Query: 122 gttccgtgacggtgcaggaaggcctgtgtgtccatgtgccctgctccttctcctaccct 181
|||||
Sbjct: 147 gttccgtgacggtgcaggaaggcctgtgtgtccatgtgccctgctccttctcctaccct 206

Query: 182 cgcattggtgatttaccctggcccagtagttcatggctactggttccgggaaggggcca 241
|||||
Sbjct: 207 cgcattggtgatttaccctggcccagtagttcatggctactggttccgggaaggggcca 266

Query: 242 atacagaccaggatgctccagtggccacaaacaaccagctcgggcagtgtgggaggaga 301
|||||
Sbjct: 267 atacagaccaggatgctccagtggccacaaacaaccagctcgggcagtgtgggaggaga 326

Query: 302 ctccggaccgattccacctccttggggaccacataccaagaattgcaccctgagcatca 361
|||||
Sbjct: 327 ctccggaccgattccacctccttggggaccacataccaagaattgcaccctgagcatca 386

Query: 362 gagatgccagaagaagtgatgcggggagatacttctttcgtatggagaaaggaagtataa 421
|||||
Sbjct: 387 gagatgccagaagaagtgatgcggggagatacttctttcgtatggagaaaggaagtataa 446

Query: 422 aatggaattataaacatcacgggctctctgtgaatgtgacagccttgaccacaggccca 481
|||||
Sbjct: 447 aatggaattataaacatcacgggctctctgtgaatgtgacagccttgaccacaggccca 506

Query: 482 acatcctcatcccaggcacccctggagtcgggctgccccagaatctgacctgctctgtgc 541
|||||
Sbjct: 507 acatcctcatcccaggcacccctggagtcgggctgccccagaatctgacctgctctgtgc 566

Query: 542 cctgggcctgtgagcaggggacacccctatgatctcctggatagggaacctccgtgtccc 601
|||||
Sbjct: 567 cctgggcctgtgagcaggggacacccctatgatctcctggatagggaacctccgtgtccc 626

Query: 602 ccctggacccctccaccacccgctcctcggtgtcacccctcatccacagccccaggacc 661
|||||
Sbjct: 627 ccctggacccctccaccacccgctcctcggtgtcacccctcatccacagccccaggacc 686

Query: 662 atggcaccagcctcacctgtcaggtgaccttcctggggccagcgtgaccacgaacaaga 721